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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/827,449	04/20/2004	Koichiro Tanaka	0756-7293	2793
31780	7590	11/09/2007	EXAMINER	
ERIC ROBINSON			STAHL, MICHAEL J	
PMB 955				
21010 SOUTHBANK ST.			ART UNIT	PAPER NUMBER
POTOMAC FALLS, VA 20165			2874	
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			11/09/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

T17

Office Action Summary	Application No.	Applicant(s)
	10/827,449	TANAKA ET AL.
	Examiner	Art Unit
	Mike Stahl	2874

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 16 August 2007.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-50 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) 5-16 and 23-48 is/are allowed.

6) Claim(s) 1-4, 17-22, 49 and 50 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>8/16/2007</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____ .

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-2, 17-18, and 49-50 are rejected under 35 U.S.C. 102(a) as being anticipated by JP 2003-287703 A ('703). A copy of the front page of CN 1448753 A and a translation of the description were submitted in the information disclosure statement of March 16, 2007 (after the Notice of Allowance was mailed). Because a full version of the cited Chinese reference was not available, '703 is used in this action. It is in the same patent family as that reference according to a Derwent database. A machine translation of its detailed description was obtained via <http://www4.ipdl.inpit.go.jp/Tokujitu/tjsgodben.ipdl?N0000=115>. The rejection is repeated from the last Office action, mailed May 15, 2007.

Claim 1: '703 discloses a beam homogenizer including: an optical system for homogenizing energy distribution of a beam spot in one direction (y-direction in this case), the beam spot having a linear shape ([0025]), the optical system comprising: first and second cylindrical lenses 34 and 62 (respectively); and an optical waveguide 4 including a pair of reflection planes 41 and 42 provided oppositely, wherein the optical waveguide is provided between the first and second cylindrical lenses, wherein the one direction is a direction of a major axis of the linear shape, wherein the first cylindrical lens 34 has a first surface and a second surface facing the optical waveguide and the second cylindrical lens 62 has a third surface and a fourth surface, wherein a radius of curvature of the second surface is larger than

that of the first surface, and wherein a radius of curvature of the fourth surface is larger than that of the third surface. See figs. 1(A) and 1(B), and [0025]-[0028]. The fourth surface is taken as the rightmost surface of lens 62 in fig. 1(A). It is noted that lenses 34 and 62 are depicted as plano-convex lenses. A plane has an infinite radius of curvature. From fig. 1(A) it is apparent that the second surface has a greater radius of curvature than the first surface, and the fourth surface has a greater radius of curvature than the third surface.

Claim 2: In an alternate embodiment, the waveguide is a light pipe ([0015]).

Claims 17-18: In addition to the elements mentioned above with respect to claims 1-2, '703 also discloses a laser oscillator as the source of beam 1 (not illustrated, see [0026]).

Claims 49-50: The second surface is plane as noted above.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later

invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 3-4 and 19-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over '703 (applied above). The rejection is repeated from the last Office action.

As to claims 3-4 and 21-22, the translation of '703 does not specifically identify the beam aspect ratio and does not mention the arbitrary values which are recited. A skilled person would have understood that the required beam aspect ratio depends on the size of the semiconductor film to be treated. Therefore the selection of an appropriate beam aspect ratio for the '703 device would have been obvious since it is merely a matter of routine experimentation (if not outright design) within the general conditions disclosed by '703 (*In re Aller*, 220 F.2d 454, 105 USPQ 233).

As to claims 19-20, the translation of '703 is silent as to the specific material used in the laser oscillator other than stating that a semiconductor or solid state laser may be used ([0080]). Official notice is taken of the fact that the recited types of lasers were already known in the art of laser annealing. It would have been obvious to a person having ordinary skill in the art at the time the invention was made to use any of the recited laser types, because their suitability for use in laser annealing was well known.

Response to Arguments

The Response filed August 16, 2007 indicated that certified English translations of the priority documents would be filed as soon as they are received from Japan. However, the

translations have not been received as of the creation of this Office action (October 28, 2007).

Accordingly the rejections made in the last Office action and repeated herein have not been overcome.

Allowable Subject Matter

Claims 5-16 and 23-48 remain allowed as set forth in a previous Office action.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Inquiries about this letter may be directed to examiner Stahl at the number below.

Inquiries of a general or clerical nature (e.g., a request for a missing form or paper, etc.) should be directed to the technical support staff supervisor at 571-272-1626. Official correspondence

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which is eligible for submission by facsimile and which pertains to this application may be faxed to 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Questions about the Private PAIR system should be directed to the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mike Stahl
2874
571-272-2360

November 2, 2007



Rodney Bovernick
Supervisory Patent Examiner
Technology Center 2800